

ASSIGNMENT RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Mark T. Stewart
Johnson E. Goode
James M. Speckien
Mark A. Taube
Eduardo N. Warman

2. Name and address of receiving party(ies):

Name: MEDTRONIC, INC.Internal Address: M.S. 301Additional name(s) of conveying party(ies) attached? [] Yes [X] No
Street Address: 7000 CENTRAL AVENUE NORTHEAST
City: MINNEAPOLIS State: MN Zip: 55432

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____Execution Date: Mark E. Stewart - October 4, 2000,
Johnson E. Goode - October 4, 2000, James M. Speckien - October 4, 2000
Mark A. Taube - October 9, 2000, Eduardo N. Warman - October 4, 2000

Additional name(s) & address(es) attached? [] Yes [X] No

4. Application number(s) or patent number(s): NEW FILING

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) NEW FILING

Additional numbers attached? [] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Beth L. McMahon
Address: MEDTRONIC, INC.
7000 Central Avenue N.E.
M.S. 301
Minneapolis, Minnesota 55432

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed
☒ Authorized to be charged to deposit account8. Deposit Account Number: 13-2546
(Attach duplicate copy of this page)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Beth L. McMahon
Name of Person SigningBeth L McMahon
Signature10/10/2000
DateTotal number of pages including cover sheet, duplicate cover sheet, attachments and document: 8

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), 1Washington, D.C. 20503.

ASSIGNMENT

WHEREAS, WE, Mark T. Stewart, residing at 6250 Baldwin Lake Road, Lino Lakes, Minnesota 55014, Johnson E. Goode, residing at 6425 Polaris Lane North, Maple Grove, Minnesota 55311, James M. Speckien, residing at 321 Woodridge Drive, Vadnais Heights, Minnesota 55127, Mark A. Taube, residing at 3420 156th Avenue NW, Andover, Minnesota 55304, and Eduardo N. Warman, residing at 10949 Pheasant Lane North, Maple Grove, Minnesota 55365, are the inventors of HEART WALL ABLATION/MAPPING CATHETER AND METHOD for which we have executed an application for filing in the United States Patent and Trademark Office preparatory to obtaining Letters Patent of the United States on even date herewith; therefor; and

WHEREAS, MEDTRONIC, INC. a corporation organized and existing under the laws of the State of Minnesota and having a principal place of business at 7000 Central Avenue N.E., Minneapolis, Minnesota 55432 hereinafter referred to as "Corporation," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefor;


NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest in and to said invention and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor including my rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Corporation for its own use and behoof and use and behoof of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made;

AND, for the consideration aforesaid, I materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, I am the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that I have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, I hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, I, or my executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Corporation, its successors or assigns, but at Corporation's expense.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 4th day of October, 2000.


Mark T. Stewart


STATE OF MINNESOTA

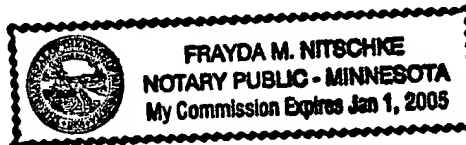
ss.

COUNTY OF ANOKA

On this 4th day of October, 2000, before me personally appeared Mark T. Stewart, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.


Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 4 day of October, 2000.

John E. Goode
Johnson E. Goode

STATE OF MINNESOTA

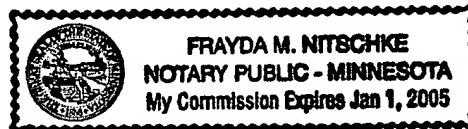
ss.

COUNTY OF ANOKA

On this 4th day of October, 2000, before me personally appeared Johnson E. Goode, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Fradyda M. Nitschke
Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this OCT 4 day of _____, 2000.

James M. Speckien
James M. Speckien

STATE OF MINNESOTA

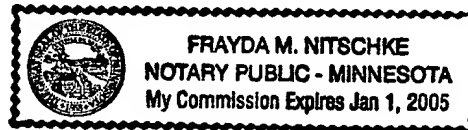
ss.

COUNTY OF ANOKA

On this 4th day of October, 2000, before me personally appeared James M. Speckien, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Frayda M. Nitschke
Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 9 day of October, 2000.

Mark A. Taube
Mark A. Taube

STATE OF MINNESOTA

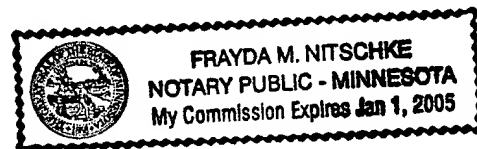
ss.

COUNTY OF ANOKA

On this 9th day of October, 2000, before me personally appeared Mark A. Taube, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

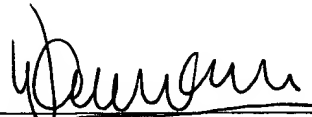
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Frayda M. Nitschke
Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 4 day of October, 2000.


Eduardo N. Warman

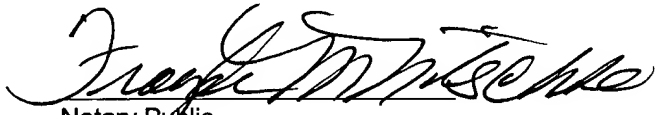
STATE OF MINNESOTA

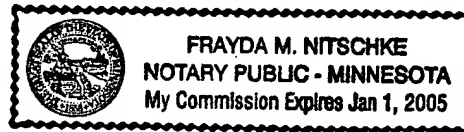
ss.

COUNTY OF ANOKA

On this 4th day of October, 2000, before me personally appeared Eduardo N. Warman, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.


Notary Public



United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: HEART WALL ABLATION/MAPPING CATHETER AND METHOD.

The specification of which

- a. ☒ is attached hereto
b. ☐ was filed on _____ application serial no. _____ was amended on _____ (if applicable) (in the case of a PCT-filed application) described and claimed in international no. _____ filed _____ and as amended on _____ (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).¹

I hereby claim foreign priority benefits under Title 35, United States Code, §119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

- a. ☒ no such applications have been filed.
b. ☐ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC §119

COUNTRY	APPLICATION NUMBER	DATE OF FILING	DATE OF ISSUE

ALL FOREIGN APPLICATIONS, IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)

COUNTRY	APPLICATION NUMBER	DATE OF FILING	DATE OF ISSUE

I hereby claim the benefit under Title 35, United States Code, §120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §156(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

¹ § 1.56 Duty of disclosure; fraud, striking or rejection of applications.

(a) A duty of candor and good faith toward the Patent and Trademark Office rests on the inventor, on each attorney or agent who prepares or prosecutes the application and on every other individual who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application. All such individuals have a duty to disclose to the Office information they are aware of which is material to the examination of the application. Such information is material where there is substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent. The duty is commensurate with the degree of involvement in the preparation or prosecution of the application.


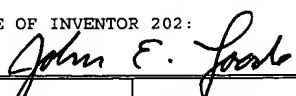
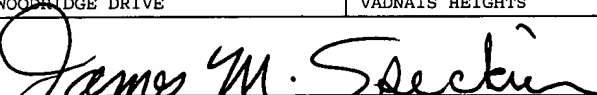
U.S. APPLICATION NUMBER	DATE OF FILING	STATUS (patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Harold R. Patton	Reg. No. 22,157	Girma Wolde-Michael	Reg. No. 30,724
Thomas G. Berry	Reg. No. 31,736	Kenneth J. Collier	Reg. No. 34,982
Daniel W. Latham	Reg. No. 30,401	Curtis D. Kinghorn	Reg. No. 33,926
Thomas F. Woods	Reg. No. 36,726	Beth L. McMahon	Reg. No. 41,987
Eric R. Waldkoetter	Reg. No. 36,713		

Please direct all correspondence in this case to: Beth L. McMahon

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name of Inventor	FIRST NAME MARK	MIDDLE INITIAL T.	LAST NAME STEWART
0	Residence & Citizenship	CITY LINO LAKES	STATE OR FOREIGN COUNTRY MINNESOTA	COUNTRY of CITIZENSHIP USA
1	Post Office Address	POST OFFICE ADDRESS 6250 BALDWIN LAKE ROAD	CITY LINO LAKES	STATE/ZIP/COUNTRY MINNESOTA/55014/USA
SIGNATURE OF INVENTOR 201:  10-4-2000				
2	Full Name of Inventor	FIRST NAME JOHNSON	MIDDLE INITIAL E.	LAST NAME GOODE
0	Residence & Citizenship	CITY MAPLE GROVE	STATE OR FOREIGN COUNTRY MINNESOTA	COUNTRY of CITIZENSHIP USA
2	Post Office Address	POST OFFICE ADDRESS 6425 POLARIS LANE NORTH	CITY MAPLE GROVE	STATE/ZIP/COUNTRY MINNESOTA/55311/USA
SIGNATURE OF INVENTOR 202:  10-4-2000				
2	Full Name of Inventor	FIRST NAME JAMES	MIDDLE INITIAL M.	LAST NAME SPECKIEN
0	Residence & Citizenship	CITY VADNAIS HEIGHTS	STATE OR FOREIGN COUNTRY MINNESOTA	COUNTRY of CITIZENSHIP USA
3	Post Office Address	POST OFFICE ADDRESS 321 WOODBRIDGE DRIVE	CITY VADNAIS HEIGHTS	STATE/ZIP/COUNTRY MINNESOTA/55127/USA
SIGNATURE OF INVENTOR 203:  10/4/2000				

X Additional pages of this declaration follow.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Harold R. Patton	Reg. No. 22,157	Girma Wolde-Michael	Reg. No. 30,724
Thomas G. Berry	Reg. No. 31,736	Kenneth J. Collier	Reg. No. 34,982
Daniel W. Latham	Reg. No. 30,401	Curtis D. Kinghorn	Reg. No. 33,926
Thomas F. Woods	Reg. No. 36,726	Beth L. McMahon	Reg. No. 41,987
Eric R. Waldkoetter	Reg. No. 36,713		

Please direct all correspondence in this case to: Medtronic, Inc.
7000 Central Avenue N.E, Minneapolis, Minnesota 55432
Telephone No. (612) 574-3156

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name of Inventor	FIRST NAME MARK	MIDDLE INITIAL A.	LAST NAME TAUBE
0	Residence & Citizenship	CITY ANDOVER	STATE OR FOREIGN COUNTRY MINNESOTA	COUNTRY of CITIZENSHIP USA
4	Post Office Address	POST OFFICE ADDRESS 3420 156 TH AVENUE NW	CITY ANDOVER	STATE/ZIP/COUNTRY MINNESOTA/55304/USA
SIGNATURE OF INVENTOR 204: <i>Mark A. Taube</i> 10-9-2000				
2	Full Name of Inventor	FIRST NAME EDUARDO	MIDDLE INITIAL N.	LAST NAME WARMAN
0	Residence & Citizenship	CITY MAPLE GROVE	STATE OR FOREIGN COUNTRY MINNESOTA	COUNTRY of CITIZENSHIP ARGENTINA
5	Post Office Address	POST OFFICE ADDRESS 10949 PHEASANT LANE NORTH	CITY MAPLE GROVE	STATE/ZIP/COUNTRY MINNESOTA/55369/USA <i>ENW</i>
SIGNATURE OF INVENTOR 205: <i>[Signature]</i> 4 Oct 2000				

This is the final page of this declaration.